IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)
Richard Uhlig, et al.) Examiner: Unassigned
Serial No.: Unassigned) Art Unit: Unassigned
Filing Date: Unassigned))
For: Method For Resolving Address Space Conflicts Between A Virtual Machine Monitor And A Guest Operating System))))
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
INFORMATION DISCI	LOSURE STATEMENT
Applicant hereby request consideration	on of the enclosed Information Disclosure
Statement pursuant to 37 C.F.R. § 1.97(c).	
Attached are the PTO Forms 1449 and	d Forms 892 from the parent application
filed on December 27, 2000, (Serial No. 09/7	52,587). This previous application is relied
upon for an earlier filing date under 35 U.S.C	C. 120.
Pursuant to C.F.R. 1.98(d), copies of	the references are not being provided
herewith since they were previously sent to the	ne patent and Trademark Office. Please
consider theses cited documents in the curren	atly pending 1.53(b) continuation in part
application filed October 4, 1999.	
"Express Mail" mailing label number <u>EV341060316US</u>	
Date of Deposit: September 30, 2003	
	fee to be deposited with the United States Postal Service under 37 CFR 1.10 on the date indicated above and Box 1450, Alexandria, VA 22313-1450
Michelle Begay (Typed or printed name of person mailing paper or fee)	
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(Signature of person mailing paper or fee) Date	ptember 30, 2003

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

If there are any additional charges, please charge Deposit Account No. 02-2666.

W. Portuova

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: September 30, 2003

Marina Portnova Reg. No. 37,850

Customer No. 008791 12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025-1026 (408) 720-8300

Complete if Known Substitute for Form 1449A/PTO (Modifiea) 09/752,587 **Application Number** INFORMATION DISCLOSURE Filing Date December 27, 2000 STATEMENT BY APPLICANT First Named Inventor: Gilbert Neiger, et al. (use as many sheets as necessary) Group Art Unit 2187 **Examiner Name** Takeguchi, K. of Attorney Docket Number 042390.P9768 She t **U.S. PATENT DOCUMENTS** Name of Patentee or Applicant Date of Publication of Pages, Columns, Lines, U.S. Patent Document Exam. Cite No.1 of Cited Document Cited Document Where Relevant Initial* Number Kind MM-DD-YYYY Passages or Relevant (If known) Code² Figures Appear 07-25-1995 5,437,033 Inoue, Taro, et al. 5,737,604 Miller, David A., et al.. 04-07-1998

Exa	Cite	Foreign Par	tent Document		Name of Patentee or Applicant	Date of Publication	Pages, Columns,	T ⁶
m. Initi al*	No.¹	Office ³ Nur	mber⁴ Kind Coo (If know		of Cited Document	of Cited Document MM-DD-YYYY	Lines, Where Relevant Passages or Relevant Figures Appear	
		WO 02	17555	Α	Verisign, Inc.	02/28/2002		
		WO 01	75564	Α	Intel Corporation	10/11/2001		
		WO 02	086684	Α	Hewlett Packard	10/31/2002		ļ
			ОТН	ER	ART – NO PATENT LITERATUR	E DOCUMENTS		<u> </u>
	aminer nitials*	Cite No ¹		(boo	f the author (in CAPITAL LETTERS), k, magazine, journal, serial, symposi ssue number(s), publisher, city and/o	um, catalog, etc.), date	, page(s), volume-	T ²
KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture," Proceedings of the Symposium on Research in Security and Privacy, 5/7/1990, pp. 2- 19, XP010020182, ISBN: 0-8186-2060-9, Boxborough, MA.								
			Reconfigu	rable	EW A., et al., "Safe and Protected Processor," 7th Annual IEEE Sy 209-221, XP010359180, ISBN: 0	mposium, FCCM '99	Proceedings	
ROBIN, JOHN SCOTT and IRVINE, CYNTHIA E., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor," Proceedings of the 9th USENIX Security Symposium, 8/14/2000, pp. 1-17, XP002247347, Denver, CO.								
	PCT Search Report dated 7/29/03 (U.S. Patent No. '075 Previously cited).						cited).	

FOREIGN PATENT DOCUMENTS

Examiner			Date Considered	
Signature				

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)					Attorney Docket No.: 042390.P9768	Application Numb 09/752,587	er:
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				U.S. PATE	NT DOCUMENTS		
Exam. Initial*	Cite No. ¹	U.S. Patent	Document Kind		me of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
		Code ²	(If known)				Passages or Relevant Figures Appear
		4,037,214		Richard I	E. Birney, et al.	07-19-1977	
		4,247,905			Yoshida, et al.	01-27-1981	
		5,757,604		Jeffrey A.	. Bennett, et al.	05-26-1998	
		6,272,637	B1	Wendell	L. Little, et al.	08-07-2001	
		6,314,409	B2	Paul B. So	chneck, et al.	11-06-2001	
		6,374,317	B1	Jasmin A	janovic, et al.	04-16-2002	
	-						

N.T. 1		ocument	Name of Patentee or Applicant	Date of	Pages,	T^6
No.¹	Office ³ Number ⁴ Code ⁵	Kind (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines. Where Relevant Passages or Relevant Figures Appear	
	JP76139A0		Nippon Telgr. & Telph. Corp.	03-14-2000		
		Codes	Code ⁵	Code ^s (If known)	Code ⁵ (If known) (If known)	Codes (If known) (If known)

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Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LI of the item (book, magazine, journal, seria issue number(s), publisher, o				
		IBM Technical Disclosure Bulletin, "Info Stay Resident Program," Vol. 34, Issue N				
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^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Notice of R ferences Cit d Application/Control No. 09/752,587 Examiner Kathy Takeguchi Applicant(s)/Patent Under Reexamination NEIGER ET AL. Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-			
	В	US-			
	C	US			
	D	US-			
	Е	US-			
	F	US-			
	G	US-			
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)	
*	U	LAWTON, K. "Running Multiple Operating Systems Concurrently on an IA32 PC Using Virtualization Techniques,"; http://www.plex86.org/research/paper.txt., pages 1-31. Last Updated 11/29/1999.	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

stitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 042390.P9768	Application Number: 09/752,587
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Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation
X		BERG, Cliff, "How Do I Create A Signed Applet?" Dr. Dobb's Journal, August 1997, pages 1-9	
4 7		GOLDBERG, Robert P., "Survey of Virtual Machine Research," IEEE Computer Magazine Vol. 7, No. 6, pages 34-45, 1974	
·7.		GONG, Li, et al., "Going Beyond the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2," JavaSoft, Sun Microsystems, Inc., Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, 11 pages December 1997	
头下		GUM, F.H., "System/370 Extended Architecture: Facilities for Virtual Machines," IBM J. Research Development, Vol. 27, No. 6, pages 530-544, November 1983	
大工		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Second Edition, Chapter 4: Memory Management, pages 67-79	
N. T.		INTEL CORPORATION, Intel386 TM DX Microprocessor, 32-Bit CHMOS Microprocessor With Integrated Memory Management, 56 pages, December 1995	
<i>K</i> **		LAWTON, K., "Running Multiple Operation Systems Concurrently On An IA32 PC Using Virtualization Techniques," http://www.plex86.org/research/paper.txt., pp 1-31, downloaded August 9, 2001	
ÀŢ		MOTOROLA, M68040 User's Manual (Including the MC68040, MC68040V, MC68LC040, MC68EC040, and MC68EC040V), Revised 1993	
j× *		ROSENBLUM, M., "VMware's Virtual Platform TM A Virtual Machine Monitor for Commodity PCs," Proceedings of the 11th Hotchips Conference, Stanford University Palo Alto, California, pages 185-196, August 1999	

Examiner Delastic	Date	
Signature / Takeyach	Considered	5 10 2003

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation of not in conformance and not considered. Include copy of this form with next communication.

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		Form 1449A/PTO (Modified) nany sheets as necessary)	Attorney Docket No.: 042390.P9768	Application Number: 09/752.587
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	# ***	MADEMAN	U.S. PATENT DOCUMENTS	Technology Center 2100
Exam. Initial*	Cite No. ¹	U.S. Patent Document Number Kind Code ² (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication Pages, Columns, of Cited Document Lines, Where
:X7		5,455,909	James S. Blomgren, et al.	10-03-1995

			FO	DREIGN PATENT DOCUMENTS			
Exam. Initial*	Cite No. ¹	Code ⁵	nent nd f known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
KT		EP0600112	A1	Siemens Nixdorf Information System	06-08-1994		X Abstract only
表于		EP0930567	A3	Texas Instruments, Inc.	07-21-1999		
1x 1		EP1146715	A1	ContentGuard Holdings, Inc.	10-17-2001		
12-		WO 98/34365		AT & T Corporation	08-06-1998		
47		WO 98/44402		British Telecommunications Public Limited Company	10-08-1998		
NT		WO 99/05600		Apple Computer, Inc.	02-04-1999		<u> </u>
KT		WO 99/09482		Siemens Nixdorf Information System	02-25-1999		X Abstract only
KT		WO 99/57863		International Business Machines Corp.	11-11-1999		<u> </u>
KT		WO 00/62232		Digital Media On Demand, Inc.	10-19-2000		i

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	(use as r	Form 1449A/ nany sheets as no	PTO (Modified) cessary)		torney Docket No.: 2390.P9768	Application N 09/752,587	umber:	
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Date Considered

5-15-03

Kathy Takeguchi

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*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

		Form 1449A/PTO (Mo any sheets as necessary)	odified)		Attorney Docket No.: 42390.P9768	Application Nu: 09/752,587	Application Number: 09/752,587		
Page 1	of 3				First Named Inventor: Gilbert Neiger, et a	1.			
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		U.S. PA	TENT AN	D PATEN	T APPLICATION DOCU	MENTS	_		
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		2001/0021969	A1	Stephen	G. Burger, et al.	09-13-2001			
		2001/0027527	A1		idekel, et al.	10-04-2001			
		4,037,214			E. Birney, et al.	07-19-1977			
		4,347,565			Kaneda, et al.	08-31-1982			
		4,571,672		· · · · · · · · · · · · · · · · · · ·	Hatada, et al.	02-18-1986			
		5,079,737			G. Hackbarth	01-07-1992			
		5,319,760		+	H. Mason, et al.	06-07-1994			
		5,386,552		John I. (01-31-1995			
	,	5,511,217		-	Nakajima, et al.	04-23-1996			
		5,522,075	-		Robinson, et al.	05-28-1996			
		5,628,022		+	ro Ueno, et al.	05-06-1997			
		5,737,760			G. Grimmer, Jr., et al.	04-07-1998			
		5,757,919			i C. Herbert, et al.	05-26-1998			
	1		FOR	<u> </u>	ENT DOCUMENTS		- 		
Exam. Initial*	Cite No. ¹	Foreign Patent Do Office' Number' Code' known)			ame of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T	
		EP 1030237	A1		ackard Company	08-23-2000			
		WO 97/29567	A1	Fortress U		08-14-1997			
		WO 01/17556		Intel Corp		10-11-2001		ـــ	
	1	WO 01/75595	A2 A2	Intel Corp		10-11-2001 04-19-2001		 	
		WO 01/27723 WO 01/27821	A2 A2		ackard Company ackard Company	04-19-2001		+	
	1	11001/2/021	114	ricwietti	acture Company	01 17 2001	···	<u></u>	
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				U.S. PATENT DOCUMENTS		<u> </u>
Exam. Initial*	Cite No.	U.S. Patent Number	Nind Code ² (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures
		E 050 717		Chandrahaldan M. Dhida a kal	12-22-1998	Appear
		5,852,717		Chandrashekhar W. Bhide,e t al. John W. Goetz, et al.	12-22-1998	
_		5,854,913 5,872,994			02-16-1999	, , , -
		5,953,502		Shin-Ichiro Akiyama, et al. Walter A. Helbig, Sr.	09-14-1999	
		6,055,637		Jerome D. Hudson, et al.	04-25-2000	
		6,033,637		Edouard Bugnion, et al.	06-13-2000	
		6,085,296		Nitin Y. Karkhanis	07-04-2000	
		6,101,584		Satou, et al.	08-08-2000	
		6,125,430		Karen L. Noel, et al.	09-26-2000	
7		6,148,379		Curt F. Schimmel	11-04-2000	
		6,182,089	B1	Narayanan Ganapathy, et al.	01-30-2001	
		6,192,455	B1	Zohar Bogin, et al.	02-20-2001	
		6,249,872	B1	Frank L. Wildgrube, et al.	06-19-2001	
		6,272,533	B1	Hendrike A. Browne	08-07-2001	
		6,292,874	B1	Philip C. Barnett	09-18-2001	
		6,301,646	B1	Mathew J. Hostetter, et al.	10-09-2001	
		6,321,314	B1	Korbin S. Van Dyke	11-20-2001	
		6,339,815	B1	Eugene Feng, et al.	11-15-2002	
		6,339,816	B1	Jean Bausch	01-15-2002	
		6,397,242	B1	Scott W. Devine, et al.	05-28-2002	
<u> </u>		6,499,123	B1	Harold L. McFarland, et al.	12-24-2002	
		6,505,279	B1	Gary Phillips, et al.	01-07-2003	

Examiner	Date Considered	
Signature		

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e.s						4000 Microprocessor User's Manual ages 61-97, 1993	," Chapter 4,		

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)			Attorney Docket No.: Application Number: 042390.P9768 09/752,587				
Page 1	lof2				First Named Inventor: Richard Uhlig, et al.		
					Filing Date: December 27, 2000		
	- P-U'			U.S. PATE	NT DOCUMENTS		
Exam. Initial*	Cite No. ¹	U.S. Paten Number Code ²	t Document Kind (If known)	Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures
-		5,455,909		James S. 1	Blomgren, et al.	10-03-1995	Appear
				-1			
				4404			

				FC	OREIGN PATENT DOCUMENTS	·		
Exam. Initial*	Cite No. ¹	Office Code ⁵	•		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
			EP0600112	A1	Siemens Nixdorf Information System	06-08-1994		X Abstract only
			EP0930567	A3	Texas Instruments, Inc.	07-21-1999		
			EP1146715	A1	ContentGuard Holdings, Inc.	10-17-2001		
	İ		WO 98/34365	ĺ	AT & T Corporation	08-06-1998		1
			WO 98/44402		British Telecommunications Public Limited Company	10-08-1998		
			WO 99/05600		Apple Computer, Inc.	02-04-1999		
			WO 99/09482		Siemens Nixdorf Information System	02-25-1999		X Abstract only
			WO 99/57863		International Business Machines Corp.	11-11-1999		
			WO 00/62232		Digital Media On Demand, Inc.	10-19-2000		

Examiner	 Date Considered	
Signature		

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

		n 1449A/PTO (Modified) sheets as necessary)	Attorney Docket No.: 042390.P9768	Application 09/752,587	
Page 2 o	f 2		First Named Inventor: Richard Uhlig, et al.		
			Filing Date: December 27, 2000		
		OTHER ART – NO PATENT	LITERATURE DOCUMENTS		
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL L of the item (book, magazine, journal, seria issue number(s), publisher,	ETTERS), title of the article (when appal, symposium, catalog, etc.), date, pag city and/or country where published	propriate), title e(s), volume-	Translation ²
		BERG, Cliff, "How Do I Create A Signe pages 1-9	d Applet?" Dr. Dobb's Journal, Au	igust 1997,	
		GOLDBERG, Robert P., "Survey of Virt Magazine Vol. 7, No. 6, pages 34-45, 19		nputer	·
		GONG, Li, et al., "Going Beyond the Sa Architecture in the Java Development I Proceedings of the USENIX Symposium Monterey, California, 11 pages Decemb	Kit 1.2," JavaSoft, Sun Microsystem n on Internet Technologies and Sys	ıs, Inc.,	
		GUM, P.H., "System/370 Extended Ard J. Research Development, Vol. 27, No. 6	chitecture: Facilities for Virtual Ma	chines," IBM	
		HEINRICH, J., "MIPS R4000 Microprod 4: Memory Management, pages 67-79	cessor User's Manual," Second Edi	tion, Chapter	
		INTEL CORPORATION, Intel386 TM DX Microprocessor With Integrated Memo		per 1995	
		LAWTON, K., "Running Multiple Open Using Virtualization Techniques," http: pp 1-31, downloaded August 9, 2001			
		MOTOROLA, M68040 User's Manual (MC68LC040, MC68EC040, and MC68E		V,	
		ROSENBLUM, M., "VMware's Virtual Commodity PCs," Proceedings of the 1 Palo Alto, California, pages 185-196, A	1th Hotchips Conference, Stanford		
Examiner	i		Date		

Considered

Signature

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Electronic Information Disclosure Statement

METHOD FOR RESOLVING ADDRESS
SPACE CONFLICTS BETWEEN A
VIRTUAL MACHINE MONITOR AND A
GUEST OPERATING SYSTEM

Application: 09/752587

Confirmation: 1639

Applicant(s): Richard Uhlig

Docket

042390P9768 Number:

Group Art

Unit:

Examiner: Unassigned

(4,278,837 or 4,307,214 or 4,366,537 or 4,521,852 or 5,075,842 or 5,022,077 or 5,255,379 or

5,293,424 or 5,421,006 or 5,459,869 or 5,473,692 or 5,479,509 or 5,568,552 or 5,615,263 or

search string: 5,657,445 or 5,717,903 or 5,729,760 or 5,764,969 or 5,796,845 or 5,805,712 or 5,835,594 or

5,844,986 or 5,890,189 or 5,937,063 or 5,978,481 or 5,987,557 or 6,014,745 or 6,058,478 or 6,158,546 or 6,175,925 or 6,178,509 or 6,205,550 or 6,282,651 or 6,282,657 or 20010037450).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
> 7	P01	4,278,837	1981-07- 14		Best		
			1977-07-				

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A APPROXIMATION OF THE PERSON	_	, :-		
7 PO2	4,307,214	19		McDaniel Birney, et al
KT PO3	4,366,537	1982-12- 28		Heller, et al.
(T P04	4,521,852	1985-06- 04		Guttag
(T P05	5,075,842	1991-12- 24	114161 1191 111 11416 11416 11416 11416 11416 11416	Lai
(T P06	5,022,077	1991-06- 04		Bealkowski, et al.
(T P07	5,255,379	1993-10- 19		Melo
KT P08	5,293,424	1994-03- 08	THE RESIDENCE OF THE POST OF T	Hotley, et al.
KT P09	5,421,006	1995-05- 30		Jablon, et al
₹ 7 ₽10	5,459,869	1995-10- 17		Spilo
KT P11	5,473,692	1995-12- 05		Davis
K7 P12	5,479,509	1995-12- 26		Ugon
(T P13	5,568,552	1996-12- 22		Davis
KT P14	5,615,263	1997-03- 25	THE REPORT OF THE PROPERTY OF	Takahashi
#7 P15	5,657,445	1997-08- 12		Pearce
27 P16	5,717,903	1998-02- 10	THE COLUMN COLUM	Bonola
X7 P17	5,729,760	1998-03- 17	101011111111111111111111111111111111111	Poisner
KT P18	5,764,969	1998-06- 09		Kahle, et al.
7 P19	5,796,845	1998-08-		Serikawa, et al.
K7 P20	5,805,712	1998-09-	I MARIA CINI TALI DI TANI TANI TANI TANI TANI TANI TANI TAN	Davis
		1998-11-		

		•		and the second security and	•	
47	P2 1	5,835,5	10		recht, et al.	
17	P22	5,844,986	1998-12- 01	L 1770) CHILAR ALKINY CHIKAKON CHIKA HADI KAN HADI	Davis	
KT	P23	5,890,189	1999-03- 03		Nozue, et al.	
M	P24	5,937,063	1999-08- 10		Davis	
KT	P25	5,978,481	1999-11- 02	1 (1888) 1 (181 181 181 181 181 181 181 181 181 181 181 181 181 181 181 181 18	Ganesan, et al.	
KT	P26	5,987,557	1999-11- 16		Ebrahim	
XT	P27	6,014,745	2000-01- 11		Ashe	
KT	P28	6,058,478	2000-05- 02		Davis	
\$T	P29	6,158,546(?)	2000-12- 12	110101000101101010010011001100110110110	Hanson, et al.	
KT	P30	6,175,925	2001-01- 16	110041000100100100100000000000000000000	Nardone, et al.	
ķτ	P31	6,178,509	2001-01- 23	14585 5191 651 61 1001 1001 1001 1001 61 10 1003 61 10 10 51 51 51 51 51 51 51 51 51 51 51 51 51	Nardone, et al.	
KT	P32	6,205,550	2001-03- 20	<u> </u>	Nardone, et al.	
KT	P33	6,282,651	2001-08- 28		Ashe	`
KT	P34	6,282,657	2001-08- 28		Kaplan, et al.	

Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class Subclass
M	U01	20010037450	2001-11- 01		Metlitski, et al.	

Remarks

(Remarks are not for responding to an office action.)

Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. * Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. * This Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02–2666. * Applicants respectfully requests that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record. *

Signature

Examiner Name	Date
Kidn Juhoguch	5-15-2003